

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/783,620  
Source: TFU916  
Date Processed by STIC: 01/09/2007

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/783,620</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleics <input type="checkbox"/> Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <u>after</u> creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line <b>not exceed</b> 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do <b>not</b> use tab codes between numbers; use <b>space characters</b> , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was <b>not</b> saved in ASCII(DOS) text, as <b>required</b> by the Sequence Rules. Please <b>ensure your subsequent submission is saved in ASCII text.</b>	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input checked="" type="checkbox"/> Invalid <213> Response	<u>Per 1.823 of Sequence Rules, the only valid &lt;213&gt; responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). &lt;220&gt;-&lt;223&gt; section is required when &lt;213&gt; response is Unknown or is Artificial Sequence. (see item 11 below)</u>	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is <b>MANDATORY</b> if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" <b>can only represent a single nucleotide</b> ; "Xaa" <b>can only represent a single amino acid</b>	



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/783,620

DATE: 01/09/2007

TIME: 12:53:55

Input Set : A:\14769US02.SEQ.txt

Output Set: N:\CRF4\01092007\J783620.raw

3 <110> APPLICANT: Jiang, Liwen  
 4 SUN, Samuel Sai Ming  
 6 <120> TITLE OF INVENTION: PLANT GENE EXPRESSION SYSTEM FOR PROCESSING, TARGETING AND  
 7 ACCUMULATING FOREIGN PROTEINS IN TRANSGENIC SEEDS  
 9 <130> FILE REFERENCE: 14769US02  
 11 <140> CURRENT APPLICATION NUMBER: US 10/783,620  
 12 <141> CURRENT FILING DATE: 2004-02-20  
 14 <150> PRIOR APPLICATION NUMBER: US 60/449,367  
 15 <151> PRIOR FILING DATE: 2003-02-21  
 17 <160> NUMBER OF SEQ ID NOS: 8  
 19 <170> SOFTWARE: PatentIn version 3.3  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 32  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: cytoplasmic tail sequences from BP-80  
 26 <400> SEQUENCE: 1  
 28 Lys Tyr Arg Ile Arg Gln Tyr Met Asp Ser Glu Ile Arg Ala Ile Met  
 29 1 5 10 15  
 32 Ala Gln Tyr Met Pro Leu Asp Ser Gln Glu Glu Gly Pro Asn His Val  
 33 20 25 30  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 22  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: cytoplasmic tail sequences from alpha-TIP  
 41 <400> SEQUENCE: 2  
 43 Lys Tyr Arg Ile Arg Pro Ile Glu Pro Pro Pro His His His Gln Pro  
 44 1 5 10 15  
 47 Leu Ala Thr Glu Asp Tyr  
 48 20  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 16  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: FLAG epitope tag sequences operably linked to a spacer  
 57 <220> FEATURE:  
 58 <221> NAME/KEY: MISC\_FEATURE  
 59 <222> LOCATION: (1)..(8)  
 60 <223> OTHER INFORMATION: FLAG epitope tag sequence  
 62 <220> FEATURE:  
 63 <221> NAME/KEY: MISC\_FEATURE  
 64 <222> LOCATION: (9)..(16)  
 65 <223> OTHER INFORMATION: part of the luminal portion of BP-80 immediately adjacent to  
 the  
 66 TMD region  
 68 <400> SEQUENCE: 3

Does Not Comply  
 Corrected Diskette Needed  
 (P8-1,2)  
 Invalid Response.  
 <213> Responses  
 Can be either  
 Artificial,  
 Unknown or  
 Genus Specific  
 see  
 Gln 10  
 on Record  
 Summary  
 Sheet.

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/783,620

DATE: 01/09/2007  
TIME: 12:53:55

Input Set : A:\14769US02.SEQ.txt  
Output Set: N:\CRF4\01092007\J783620.raw

70 Asp Tyr Lys Asp Asp Asp Asp Lys Ser Lys Thr Ala Ser Gln Ala Lys  
71 1 5 10 15  
74 <210> SEQ ID NO: 4  
75 <211> LENGTH: 22  
76 <212> TYPE: PRT  
77 <213> ORGANISM: signal peptide sequences from proaleurain  
79 <400> SEQUENCE: 4  
81 Met Ala His Ala Arg Val Leu Leu Leu Ala Leu Ala Val Leu Ala Thr  
82 1 5 10 15  
85 Ala Ala Val Ala Val Ala  
86 20  
89 <210> SEQ ID NO: 5  
90 <211> LENGTH: 23  
91 <212> TYPE: PRT  
92 <213> ORGANISM: transmembrane domain sequences from BP-80  
94 <400> SEQUENCE: 5  
96 Thr Trp Ala Ala Phe Trp Val Val Leu Ile Ala Leu Ala Met Ile Ala  
97 1 5 10 15  
100 Gly Gly Gly Phe Leu Val Tyr  
101 20  
104 <210> SEQ ID NO: 6  
105 <211> LENGTH: 22  
106 <212> TYPE: PRT  
107 <213> ORGANISM: signal peptide sequences from the barley cysteine protease aleurain  
109 <400> SEQUENCE: 6  
111 Met Ala His Ala Arg Val Leu Leu Leu Ala Leu Ala Val Leu Ala Thr  
112 1 5 10 15  
115 Ala Ala Val Ala Val Ala  
116 20  
119 <210> SEQ ID NO: 7  
120 <211> LENGTH: 24  
121 <212> TYPE: PRT  
122 <213> ORGANISM: signal peptide sequences from the rice storage protein glutelin  
124 <400> SEQUENCE: 7  
126 Met Ala Ser Ile Asn Arg Pro Ile Val Phe Phe Thr Val Cys Leu Phe  
127 1 5 10 15  
130 Leu Leu Cys Asp Gly Ser Leu Ala  
131 20  
134 <210> SEQ ID NO: 8  
135 <211> LENGTH: 8  
136 <212> TYPE: PRT  
137 <213> ORGANISM: spacer  
140 <220> FEATURE:  
141 <221> NAME/KEY: MISC\_FEATURE  
142 <223> OTHER INFORMATION: part of the luminal portion of BP-80 immediately adjacent to  
the  
143 TMD region  
145 <400> SEQUENCE: 8  
147 Ser Lys Thr Ala Ser Gln Ala Lys  
148 1 5

7 Jan  
2007

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/783,620

DATE: 01/09/2007

TIME: 12:53:56

Input Set : A:\14769US02.SEQ.txt

Output Set: N:\CRF4\01092007\J783620.raw